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Title:	SOME SCHEMIFIC PROPLEMS OF ASTRONOMICO-GEODESY IN COMMUNITH THE STUDY OF THE EARTH'S HARD SHELL: AUTHOR'S AB	ECTION STRACT		
	F. N. Krasovskiy	USSR		
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# SOME SCIENTIFIC PRODLEMS OF ASTRONOMICO-GRODESY IN CONNECTION WITH THE STUDY OF THE EADTH'S HARD SHELL: AUTHOR'S ARSTRACT

F. N. Krasovskiy

(Note: The following is the author's abstract of his article that appeared in a symposium, Trudy Institute Teoreticheskoy Geofiziki (Works of the Institute of Theoretical Geophysics), Volume II (1947), published in Moscow by the Academy of Sciences USSK Press and edited by O. Yu. Schmidt. This article represents a lecture delivered before the Institute in May 1944.

Also given below are the titles and authors of the four other articles appearing in this symposium.)

The contemporary status of the problem of studying the structure of the earth's crust by methods of astronomies-geodesy and gravimetry using the data of geophysics and geology is discussed. After a brief review of the results of studies on isostasy by Pratt (India) and Hayford (USA), the contemporary works of Vening Meynetz, Olennie, and Magnitskiy (USAE) are investigated. It is shown that Magnitskiy has devised a new improved method for detecting large waves of the geoid and the so-called structural anomalies of gravitational force. Magnitskiy's method permits a more confident study of deep folds and the of the geological structure of the upper layers of the earth's crust. It also permits a more reliable derivation of the parameters of the terrestrial ellipsoid. According to the author, the Magnitskiy method will make passible a study of the structure of the Eussian platform which will be more successful than the study made by Glennie in India. In conclusion, general

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considerations are given on means for the joint utilization of international data on astronomico-geodesy and gravimetry together with geophysical and geological data, in the study of the figure of the geoid, and the structure and deformations of the earth's crust.

# Pages 1. F. N. Krasovskiy, "Some Problems Etc" Note: Abstract given above.7 2. I. S. Berzon, "Three-Dimensional Problem of the Interpretation 22-85 3. I. S. Berzon, "Interpretation of the Gross-Sectional Hodographs of the Refracted Waves (One Plane Boundary of Separation)" 4. V. A. Kazinskiy, "The Technic of Computing the Gravitational Force" 108-111 5. V. A. Kazinskiy,

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Radiuses of Curvature of a Geoid"

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